

IN THE ABSTRACT:

Please DELETE the Abstract in its entirety and substitute the attached new Abstract.

ABSTRACT

SUPERCONDUCTOR DEVICE HAVING SUPERCONDUCTIVE MAGNET AND REFRIGERATION UNIT

A superconducting magnet with at least one cooling agent-free superconducting coil is provided along with a cooling unit with at least one cold head. A conduit system, thermally coupling the coil to the cold head, includes at least one duct in which a cooling agent circulates according to a thermosyphon effect.